

#### **DETAILED ACTION**

1. Claims 1 – 3, 5, 7 – 11, 13, 15 – 19, 21, 23 – 27, 29, 31 – 35, 37 and 39 – 50 are pending in the application. By this examiner's amendment, claims 1 and 9 are amended and claims 1 – 3, 5, 7 – 11, 13, 15 – 19, 21, 23 – 27, 29, 31 – 35, 37 and 39 – 50 are allowed.

#### ***Continued Examination Under 37 CFR 1.114***

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/4/2009 has been entered.

#### **EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Neil F. Maloney (Reg. No. 42,833) on October 21, 2009.

The application has been amended as follows:

- a. Claim 1, line 5, insert after "determining" --, by a processor,--; and
- b. Claim 9, line 6, insert after "monitoring" --, by a processor,--.

### **REASONS FOR ALLOWANCE**

4. The following is an examiner's statement of reasons for allowance:

The prior art of record does not expressly teach or render obvious the invention a recited in independent claims 1, 9, 17, 25 and 33.

The prior art does not disclose "listing said event and a last state change time of said event in a hysteresis table, if said event is not already listed in said hysteresis table; determining if said event maintains one of said first and second states for a predetermined amount of time, wherein: if said last state change time of said event plus said predetermined amount of time is not less than current time, then said event is deemed unstable and remains listed in said hysteresis table; and if said last state change time plus said predetermined amount of time is less than the current time, then said event is deemed stable and is removed from said hysteresis table".

In addition, the prior art of record does not provide a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made would have integrated or modified the systems described in the prior art to incorporate the features of "listing said event and a last state change time of said event in a hysteresis table, if said event is not already listed in said hysteresis table; determining if said event maintains one of said first and second states for a

predetermined amount of time, wherein: if said last state change time of said event plus said predetermined amount of time is not less than current time, then said event is deemed unstable and remains listed in said hysteresis table; and if said last state change time plus said predetermined amount of time is less than the current time, then said event is deemed stable and is removed from said hysteresis table" as recited in the context of independent claims 1, 9, 17, 25 and 33.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **CONTACT INFORMATION**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to LI B. ZHEN whose telephone number is (571)272-3768. The examiner can normally be reached on Mon - Fri, 8:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung Sub Sough can be reached on 571-272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Li B. Zhen/  
Primary Examiner, Art Unit 2194